determining whether at least one of the first resource record type and the second resource record type is stored in a cache before querying at least one of the first nameserver and the second nameserver.

15. The non-transitory computer-readable medium of claim **10**, wherein the resolver is one of a stub resolver or a recursive resolver.

16. An apparatus for minimizing the disclosure of a domain name contained in a DNS query, comprising:

a memory; and

a processor communicatively coupled to the memory, the processor being configured to:

determine a first label and a second label associated with a domain name included in a DNS query;

query a first nameserver for a first resource record type associated with the first label without revealing the second label to the first nameserver by removing information related to the second label from the DNS query;

receive a response from the first nameserver including the first resource record type, the first resource record type directing a resolver to a second nameserver; and

query the second nameserver for a second resource record type associated with the first label and the second label.

17. The apparatus of claim **16**, wherein the processor is further configured to generate a false label, wherein the first nameserver is queried for the first resource record type associated with the first label and the false label without revealing information related to the second label by removing information related to the second label from the DNS query.

18. The apparatus of claim **16**, wherein the first resource record type is selected from the group consisting of an internet protocol address, an address record, a mail exchange record, a service locator record, and a text record.

19. The apparatus of claim **16**, wherein the first resource record type is for an authoritative nameserver for the first label.

20. The apparatus of claim **16**, wherein the second resource record type is for an authoritative nameserver for a namespace including the first label and the second label.

21. The apparatus of claim **16**, wherein the processor is further configured to determine a third label associated with the domain name included in the DNS query, and wherein the second nameserver is queried without revealing information related to the third label by removing information related to the third label from the DNS query.

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